

RAW SEQUENCE LISTING  
PATENT APPLICATION US/08/962,094DATE: 11/09/98  
TIME: 16:52:50

INPUT SET: S29757.raw

This Raw Listing contains the General  
Information Section and up to the first 5 pages.

## SEQUENCE LISTING

ENTERED

## (1) General Information

(i) APPLICANT: Billing-Medel, Patricia A.  
Cohen, Maurice  
Colpitts, Tracey L.  
Friedman, Paula N.  
Gordon, Julian  
Granados, Edward N.  
Hodges, Steven C.  
Klass, Michael R.  
Kratochvil, Jon D.  
Roberts-Rapp, Lisa  
Russell, John C.  
Stroupe, Steven D.

(ii) TITLE OF THE INVENTION: REAGENTS AND METHODS USEFUL  
FOR DETECTING DISEASES OF THE BREAST

(iii) NUMBER OF SEQUENCES: 22

## (iv) CORRESPONDENCE ADDRESS:

(A) ADDRESSEE: Abbott Laboratories  
(B) STREET: 100 Abbott Park Road  
(C) CITY: Abbott Park  
(D) STATE: IL  
(E) COUNTRY: USA  
(F) ZIP: 60064-3500

## (v) COMPUTER READABLE FORM:

(A) MEDIUM TYPE: Diskette  
(B) COMPUTER: IBM Compatible  
(C) OPERATING SYSTEM: DOS  
(D) SOFTWARE: FastSEQ for Windows Version 2.0

## (vi) CURRENT APPLICATION DATA:

(A) APPLICATION NUMBER:  
(B) FILING DATE:  
(C) CLASSIFICATION:

## (vii) PRIOR APPLICATION DATA:

(A) APPLICATION NUMBER: 08/742,067  
(B) FILING DATE: 31-OCT-1996

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## (viii) ATTORNEY/AGENT INFORMATION:

- (A) NAME: Becker, Cheryl L
- (B) REGISTRATION NUMBER: 35,441
- (C) REFERENCE/DOCKET NUMBER: 5995.US.P1

## (ix) TELECOMMUNICATION INFORMATION:

- (A) TELEPHONE: 847/935-1729
- (B) TELEFAX: 847/938-2623
- (C) TELEX:

## (2) INFORMATION FOR SEQ ID NO:1:

## (i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 229 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

## (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:

CGGCTCGAGC	TCTTAGGCTT	TGAAGCATTT	TTGTNTGTGC	TCCCTGATCT	TCATGTCACC	60
ACCATGAAGT	TCTTAGCAGT	CCTGGTACTC	TTGGGAGTTT	CCATCTNTCT	GGTCTCTGCC	120
CAGAATCCGA	CAACAGCTGC	TNCAGCTGAC	ACGNATCCAG	CTACTGGTCC	TGCTGATGAT	180
GAAGCCCCTG	ANGCTGAAAC	CACTGCTGCT	GCNACCACTG	CGACCACTG		229

## (2) INFORMATION FOR SEQ ID NO:2:

## (i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 308 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

## (xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:

TAGGCTTTGA	AGCATTTTGT	TCTGTGCTCC	CTGATCTTCA	GGTCACCACC	ATGAAGTTCT	60
TAGCAGTCCT	GGTACTCTTG	GGAGTTTCCA	TCTTTCTGGT	CTCTGCCCAG	AATCCGACAA	120
CAGCTGCTCC	AGCTGACACG	TATCCAGCTA	CTGGTCCTGC	TGATGATGAA	GGCCCTGATG	180
CTGAAACCAC	TGCTGCTGCA	ACCACTGCGA	CCACTGCTGC	TCCTACCACT	GCAACCACCG	240
CTGCTTCTAC	CACTGCTCGT	AAAGACATTC	CAGTTTACC	CAAATGGGTT	GGGGATCTTC	300
CGAATGGT						308

## (2) INFORMATION FOR SEQ ID NO:3:

## (i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 197 base pairs
- (B) TYPE: nucleic acid

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100 (C) STRANDEDNESS: single  
101 (D) TOPOLOGY: linear  
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104 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:  
105  
106 GTTTTACCCA AATGGGTTGG GGATCTCCCG AATGGTAGAG TGTGTCCCTG AGATGGAATC 60  
107 AGCTTGAGTC TTCTGCAATT GGTCACAAC ATTTCATGCTT CCTGTGATTT CATCCAACTA 120  
108 CTTACCTTGC CTACGATATC CCCTTTATCT CTAATCAGTT TATTTTCTTT CAAATAAAAA 180  
109 ATAACATGA GCAACAT 197  
110  
111 (2) INFORMATION FOR SEQ ID NO:4:  
112  
113 (i) SEQUENCE CHARACTERISTICS:  
114 (A) LENGTH: 482 base pairs  
115 (B) TYPE: nucleic acid  
116 (C) STRANDEDNESS: single  
117 (D) TOPOLOGY: linear  
118  
119 (ix) FEATURE:  
120 (A) NAME/KEY: base\_polymorphism  
121 (B) LOCATION: 54  
122 (D) OTHER INFORMATION: /note= " K' represents a G/T  
123 polymorphism at this position"  
124  
125 (ix) FEATURE:  
126 (A) NAME/KEY: base\_polymorphism  
127 (B) LOCATION: 312  
128 (D) OTHER INFORMATION: /note= " Y' represents a C/T  
129 polymorphism at this position"  
130  
131  
132 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:4:  
133  
134 CGGCTCGAGC TCTTAGGCTT TGAAGCATTT TTGTCTGTGC TCCCTGATCT TCAKGTCACC 60  
135 ACCATGAAGT TCTTAGCAGT CCTGGTACTC TTGGGAGTTT CCATCTTTCT GGTCTCTGCC 120  
136 CAGAATCCGA CAACAGCTGC TCCAGCTGAC ACGTATCCAG CTAAGGTGCT TGCTGATGAT 180  
137 GAAGCCCCTG ATGCTGAAAC CACTGCTGCT GCAACCACTG CGACCACTGC TGCTCCTACC 240  
138 ACTGCAACCA CCGCTGCTTC TACCACTGCT CGTAAAGACA TTCCAGTTTT ACCCAAATGG 300  
139 GTTGGGGATC TYCCGAATGG TAGAGTGTGT CCCTGAGATG GAATCAGCTT GAGTCTTCTG 360  
140 CAATTGGTCA CAACTATTCA TGCTTCCTGT GATTTTCATC AACTACTTAC CTTGCCTACG 420  
141 ATATCCCTT TATCTCTAAT CAGTTTATTT TCTTTCAAAT AAAAAATAAC TATGAGCAAC 480  
142 AT 482  
143  
144 (2) INFORMATION FOR SEQ ID NO:5:  
145  
146 (i) SEQUENCE CHARACTERISTICS:  
147 (A) LENGTH: 553 base pairs  
148 (B) TYPE: nucleic acid  
149 (C) STRANDEDNESS: single  
150 (D) TOPOLOGY: linear  
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152 (ix) FEATURE:

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153 (A) NAME/KEY: base\_polymorphism  
154 (B) LOCATION: 543  
155 (D) OTHER INFORMATION: /note= " R' represents an A/G  
156 polymorphism at this position"  
157  
158

## (xi) SEQUENCE DESCRIPTION: SEQ ID NO:5:

GAATTCGGCT	CGAGCGGCTC	GAGCTCTTAG	GCTTTGAAGC	ATTTTTGTCT	GTGCTCCCTG	60
ATCTTCATGT	CACCACCATG	AAGTTCTTAG	CAGTCCTGGT	ACTCTTGGA	GTTTCCATCT	120
TTCTGGTCTC	TGCCCAGAAT	CCGACAACAG	CTGCTCCAGC	TGACACGTAT	CCAGCTACTG	180
GTCCTGCTGA	TGATGAAGCC	CCTGATGCTG	AAACCACTGC	TGCTGCAACC	ACTGCGACCA	240
CTGCTGCTCC	TACCACTGCA	ACCACCGCTG	CTTCTACCAC	TGCTCGTAAA	GACATTCCAG	300
TTTTACCCAA	ATGGGTTGGG	GATCTCCCGA	ATGGTAGAGT	GTGTCCCTGA	GATGGAATCA	360
GCTTGAGTCT	TCTGCAATTG	GTCACAATA	TTCATGCTTC	CTGTGATTTC	ATCCAATAC	420
TTACCTTGCC	TACGATATCC	CCTTTATCTC	TAATCAGTTT	ATTTTCTTTC	AAATAAAAAA	480
TAACTATGAG	CAACAAAAAA	AAAAAAAAAA	AAAAAAAAAA	AAAAAAAAAA	AAAAAAAAAA	540
AARGGGCGGC	CGC					553

## (2) INFORMATION FOR SEQ ID NO:6:

## (i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 68 base pairs  
(B) TYPE: nucleic acid  
(C) STRANDEDNESS: single  
(D) TOPOLOGY: linear

## (xi) SEQUENCE DESCRIPTION: SEQ ID NO:6:

AGCTCGGAAT	TCCGAGCTTG	GATCCTCTAG	AGCGGCCGCC	GACTAGTGAG	CTCGTCGACC	60
CGGGAATT						68

## (2) INFORMATION FOR SEQ ID NO:7:

## (i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 68 base pairs  
(B) TYPE: nucleic acid  
(C) STRANDEDNESS: single  
(D) TOPOLOGY: linear

## (xi) SEQUENCE DESCRIPTION: SEQ ID NO:7:

AATTAATTCC	CGGGTCGACG	AGCTCACTAG	TCGGCGGCCG	CTCTAGAGGA	TCCAAGCTCG	60
GAATTCCG						68

## (2) INFORMATION FOR SEQ ID NO:8:

## (i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 24 base pairs  
(B) TYPE: nucleic acid  
(C) STRANDEDNESS: single

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206 (D) TOPOLOGY: linear  
207  
208  
209 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:8:  
210  
211 AGCGGATAAC AATTTCACAC AGGA 24  
212  
213 (2) INFORMATION FOR SEQ ID NO:9:  
214  
215 (i) SEQUENCE CHARACTERISTICS:  
216 (A) LENGTH: 18 base pairs  
217 (B) TYPE: nucleic acid  
218 (C) STRANDEDNESS: single  
219 (D) TOPOLOGY: linear  
220  
221  
222 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:9:  
223  
224 TGTAACACGA CGGCCAGT 18  
225  
226 (2) INFORMATION FOR SEQ ID NO:10:  
227  
228 (i) SEQUENCE CHARACTERISTICS:  
229 (A) LENGTH: 20 base pairs  
230 (B) TYPE: nucleic acid  
231 (C) STRANDEDNESS: single  
232 (D) TOPOLOGY: linear  
233  
234  
235 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:10:  
236  
237 ACTGCTCGTA AAGACATTCC 20  
238  
239 (2) INFORMATION FOR SEQ ID NO:11:  
240  
241 (i) SEQUENCE CHARACTERISTICS:  
242 (A) LENGTH: 19 base pairs  
243 (B) TYPE: nucleic acid  
244 (C) STRANDEDNESS: single  
245 (D) TOPOLOGY: linear  
246  
247  
248 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:11:  
249  
250 GGGACACACT CTACCATTC 19  
251  
252 (2) INFORMATION FOR SEQ ID NO:12:  
253  
254 (i) SEQUENCE CHARACTERISTICS:  
255 (A) LENGTH: 20 base pairs  
256 (B) TYPE: nucleic acid  
257 (C) STRANDEDNESS: single  
258 (D) TOPOLOGY: linear

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**SEQUENCE VERIFICATION REPORT**  
**PATENT APPLICATION US/08/962,094**

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Line	Error	Original Text
17	Response Exceeds Line Limitations	Stroupe, Steven D.